



# TARGET INDUSTRY REPORTS



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# Target Industry Reports

- ❖ Target Industry Reports presents an overview of Missouri's seven target industries:
  - ❖ *Advanced Manufacturing*
  - ❖ *Bio-Sciences*
  - ❖ *Energy Solutions*
  - ❖ *Financial Solutions*
  - ❖ *Health Sciences and Services*
  - ❖ *Information Technology*
  - ❖ *Transportation and Logistics*
- ❖ The Report analyzes statewide industry employment, establishment and occupation employment data.



## Missouri Target Industry Brief BIO-SCIENCE

**Bio-Science Target Industry**

The **Bio-Science** Target Industry Group encompasses three niches: Plant and Agricultural Technology, Companion and Feed Animal Sciences, and Biomedical. Missouri has a robust network of public and private entities supporting research and economic growth within this target industry.

Missouri is home to a Bio-Science industry that employs 49,729 workers. Leading employment in the Bio-Science industry is *Other Professional and Technical Services* employing 11,739 with *Scientific and Research and Development Services* following with an employment of 7,184.

Location quotient (LQ) compares the regional share of an industry to the national share. An LQ over 1 indicates sectors of employment concentration larger than the nation. Missouri's leading Bio-Science industries are *Animal Food Manufacturing* with an LQ of 3.71 and *Hog and Pig Farming* with a LQ of 2.93.

**2014 Employment and Establishment Data for the Bio-Science Target Industry Group**

NAICS	Industry	2014 Establishments	2014 Employment	2014 Average Wage	2014 Location Quotient
<b>Total Private Sector Industries</b>					
		175,199	3,250,816	\$18,600	
1111	Corn and Grain Farming	312	2,439	\$16,813	2.81
1121	Hog and Pig Farming	78	1,770	\$23,136	2.93
1151	Support Activities for Animal Production	39	699	\$21,199	3.1
2111	Animal Food Manufacturing	83	3,066	\$17,136	3.71
2112	Grain and Grain Milling	39	3,347	\$22,169	3.95
2811	Basic Chemical Manufacturing	40	2,734	\$16,899	3.39
2824	Agricultural Chemical Manufacturing	51	1,739	\$17,869	2.39
2829	Pharmaceutical and Medicine Manufacturing	76	5,892	\$28,699	3.97
3331	Medical Equipment and Supplies Manufacturing	258	3,463	\$17,267	3.58
4245	Chemical and Allied Product Merchant Wholesaler	179	2,268	\$16,881	2.55
5417	Scientific Research and Development Services	327	7,184	\$45,829	3.58
5418	Other Professional and Technical Services	1,514	11,739	\$16,131	3.95
8111	Medical and Diagnostic Laboratories	309	1,402	\$22,811	3.79
	<b>Total Bio-Science Industries</b>	<b>2,081</b>	<b>49,729</b>	<b>\$19,636</b>	<b>3.98</b>

Source: 2014 Quarterly Census of Employment and Wages, Bureau of Labor Statistics

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# Target Industry Group Overview

❖ Data is presented for individual industries in the group for the previous calendar year for:

- ❖ Employment
- ❖ Establishment
- ❖ Average Wage

❖ Employment location quotient data is also given, displaying how concentrated an industry is in a region in relation to the nation, with 1.00 being the national average.

**2014 Employment and Establishment Data for the Bio-Science Target Industry Group**

NAICS	Industry	2014 Establishments	2014 Employment	2014 Average Wage	2014 Employment Location Quotient
<b>Total Private Sector Industries</b>		<b>175,198</b>	<b>2,250,914</b>	<b>\$44,698</b>	
1111	Oilseed and Grain Farming	532	2,434	\$34,913	2.32
1122	Hog and Pig Farming	78	1,779	\$33,196	2.93
1152	Support Activities for Animal Production	79	599	\$27,789	1.1
3111	Animal Food Manufacturing	83	3,956	\$77,178	3.71
3112	Grain and Oilseed Milling	38	2,247	\$52,260	1.95
3251	Basic Chemical Manufacturing	60	3,270	\$68,895	1.16
3253	Agricultural Chemical Manufacturing	51	1,716	\$71,838	2.39
3254	Pharmaceutical and Medicine Manufacturing	76	5,292	\$88,690	0.97
3391	Medical Equipment and Supplies Manufacturing	218	3,463	\$47,097	0.58
4245	Farm Product Raw Material Merch. Whls.	179	2,248	\$44,801	1.55
5417	Scientific Research and Development Services	357	7,184	\$85,829	0.58
5419	Other Professional and Technical Services	1,533	11,739	\$38,193	0.95
6215	Medical and Diagnostic Laboratories	309	3,802	\$52,855	0.78
<b>Total Bio-Science Industries</b>		<b>3,593</b>	<b>49,729</b>	<b>\$55,656</b>	<b>0.98</b>

Source: 2014 Quarterly Census of Employment and Wages, Bureau of Labor Statistics

# Industry Employment Trends

❖ Employment data for the previous five years is presented to show the industry group, as well as individual industries, trends.

❖ This is to present employment growth, or reduction in the previous five years.

**2010 - 2014 Employment Data - Bio-Science Target Industry Group**

NAICS	Industry	2014 Employment	2013 Employment	2012 Employment	2011 Employment	2010 Employment	2010-2014 Employment Change
1111	Oilseed and Grain Farming	2,434	2,381	2,206	1,966	1,822	612
1122	Hog and Pig Farming	1,779	1,834	1,761	1,724	1,711	68
1152	Support Activities for Animal Production	599	576	575	566	556	43
3111	Animal Food Manufacturing	3,956	3,934	3,837	3,713	3,544	412
3112	Grain and Oilseed Milling	2,247	2,240	2,564	2,135	2,160	87
3251	Basic Chemical Manufacturing	3,270	2,959	3,149	3,164	3,095	175
3253	Agricultural Chemical Manufacturing	1,716	1,708	1,693	1,676	1,649	67
3254	Pharmaceutical and Medicine Manufacturing	5,292	5,472	5,052	4,637	4,573	719
3391	Medical Equipment and Supplies Manufacturing	3,463	3,391	3,434	4,004	3,900	-437
4245	Farm Product Raw Material Merch. Whls.	2,248	2,147	2,201	2,400	2,458	-210
5417	Scientific Research and Development Services	7,184	6,742	10,031	10,018	10,293	-3,109
5419	Other Professional and Technical Services	11,739	11,162	10,735	10,706	10,857	882
6215	Medical and Diagnostic Laboratories	3,802	3,850	3,963	3,856	3,810	-8
<b>Total</b>		<b>49,729</b>	<b>48,396</b>	<b>51,201</b>	<b>50,565</b>	<b>50,428</b>	<b>-699</b>

Source: Quarterly Census of Employment and Wages, Bureau of Labor Statistics



# Occupation Employment Data

- ❖ Top occupations, by employment, in the industry is presented to show what occupations are in demand.
- ❖ Occupations are categorized by the amount of training needed for each position: Short, Moderate, and Long-Term Training

**2014 Top Biosciences Occupational Employment**

Occupation Code	Title	2014 Employment	2014 Average Wage	2014 Occupation Location Quotient
<b>Total, All Occupations</b>		<b>2,673,640</b>	<b>\$42,790</b>	
<b>Long Term Training</b>				
29-1051	Pharmacists	6,010	\$122,530	1.05
19-2031	Chemists	2,180	\$69,530	1.28
19-2041	Environmental Scientists and Specialists, Including Health	1,220	\$48,060	0.69
29-1131	Veterinarians	1,170	\$77,980	0.95
19-1021	Biochemists and Biophysicists	1,160	\$85,820	1.87
<b>Moderate Training</b>				
29-2012	Medical and Clinical Laboratory Technicians	4,060	\$39,080	1.28
29-2034	Radiologic Technologists	3,850	\$51,310	1.01
29-2099	Health Technologists and Technicians, All Other	2,250	\$41,380	1.18
49-9062	Medical Equipment Repairers	1,340	\$43,900	1.64
29-2056	Veterinary Technologists and Technicians	1,190	\$32,670	0.65
<b>Short Term Training</b>				
43-9061	Office Clerks, General	58,710	\$29,910	1.03
43-4051	Customer Service Representatives	50,480	\$32,720	1.02
29-2052	Pharmacy Technicians	9,500	\$28,560	1.30
31-9096	Veterinary Assistants and Laboratory Animal Caretakers	2,130	\$22,190	1.52
45-2093	Farmworkers, Farm, Ranch, and Aquacultural Animals	1,760	\$23,890	2.82

Source: 2014 Occupational Employment Survey, Bureau of Labor Statistics

# Sector Strategies



## What is Sector Strategies?

- Promote and support the development of industry-focused partnerships for regions.
- Are regional collaborations of employers, training and education providers, labor organizations, workforce developers, economic developers, community organizations and other key stakeholders around a specific industry to address workforce needs.
- Align agencies and resources to support target sectors.



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# Questions?



# Thank you for your participation!

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